

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3197	123/90.39,90.41,90.43,90.45,90.48,90.52,90.55.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 08:22
L2	3580	74/519,522.5,559,569.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 08:22
L3	6324	L1 or L2	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 08:22
L4	3131	clip and wire and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 08:25
L5	14	L3 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/08 08:23
L6	5099	clip and wire and snap\$4	US-PGPUB	OR	ON	2007/01/08 08:23
L7	4	L3 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/08 08:24
L8	3232	clip and wire and valve	US-PGPUB	OR	ON	2007/01/08 08:24
L9	6	L3 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/08 08:24
L10	2504	clip and snap\$4 and valve	US-PGPUB	OR	ON	2007/01/08 08:24
L11	12	L3 and L10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/08 08:25
L12	3717	wire and snap\$4 and valve	US-PGPUB	OR	ON	2007/01/08 08:25
L13	9	L3 and L12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/08 08:25
S1	26	engelhardt-helmut.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:50
S2	4	engelhardt-helmut-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:50

## EAST Search History

S3	10	kecker-johann.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:51
S4	7	kecker-johann-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:52
S5	1	michel-jorg.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:52
S6	2	michel-jorg-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:53
S7	7	"3880128"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:53
S8	5	"4762099"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:54
S9	14	"3002507"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:55
S10	16	"5775280"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:57
S11	2	de-19717981-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:57
S12	1	de-3500524-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:58
S13	2	de-19714822-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:58
S14	2	de-19730201-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:59

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S15	1	de-29707987-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:59
S16	0	de-7001470-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 10:59
S17	0	de-07001470-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 11:00
S18	0	ep-0286389-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 11:00
S19	2	ep-286389-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 11:00
S20	11	("3002507"   "3139872"   "3166058"   "4369740"   "4494729"   "4539953"   "4598674"   "5211143").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:03
S21	29	("3139872"   "3166058"   "3219019"   "3531234"   "3563215"   "3712278"   "3942490"   "4369740"   "4488520"   "4539952"   "4539953"   "4598674"   "4676203"   "5211143"   "5775280"   "6047675"   "6138626"   "6758180"   "6889644").PN. OR ("4539953"   "6047675"   "6543402"   "7146950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:55
S22	3197	123/90.39,90.41,90.43,90.45,90.48, 90.52,90.55.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:01
S23	3580	74/519,522.5,559,569.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:02
S24	453	S22 and S23	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:02
S25	6324	S22 or S23	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:02
S26	79	clip same wire same two same snap\$4 same valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:04

## EAST Search History

S27	4	S25 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:04
S28	145	clip same wire same two same snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:04
S29	4	S25 and S28	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:05
S30	353	clip same wire same two and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:05
S31	7	S25 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:05
S32	906	clip same wire and two and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:06
S33	10	S25 and S32	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:06
S34	3	S33 not S31	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:05
S35	2923	clip and wire and two and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:07
S36	12	S25 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:07
S37	2	S36 not S33	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:06
S38	3131	clip and wire and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 08:22
S39	15	S25 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:08
S40	3	S39 not S36	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:07
S41	8561	clip and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:19

## EAST Search History

S42	57	S25 and S41	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:10
S43	42	S42 not S39	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:08
S44	9527	retain\$3 and wire and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:15
S45	42	S25 and S44	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:12
S46	42	S45 not S43	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:11
S47	38906	retain\$3 and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:12
S48	257	S25 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:16
S49	186	S48 not (S46 or S43)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:13
S50	61921	retain\$3 and wire and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:26
S51	119	S25 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:19
S52	77	S51 not S48	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:16
S53	39899	clip and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:19
S54	189	S25 and S53	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:21
S55	136	S54 not (S51 or S48)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:22
S56	324466	retain\$3 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:21

## EAST Search History

S57	1280	S25 and S56	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:26
S58	867	S57 not (S54 or S51 or S48)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:27
S59	341220	retain\$3 and wire	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:27
S60	172	S25 and S59	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:27
S61	53	S60 not (S57 or S54 or S51 or S48)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:28
S62	89803	clip and wire	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:27
S63	44	S25 and S62	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:27
S64	6	S63 not (S60 or S57 or S54 or S51 or S48)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:28
S65	3197	123/90.39,90.41,90.43,90.45,90.48,90.52,90.55.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:35
S66	3580	74/519,522.5,559,569.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:35
S67	6324	S65 or S66	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:35
S68	906	clip same wire and two and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:35
S69	10	S67 and S68	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:35
S70	3131	clip and wire and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:36
S71	15	S67 and S70	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:36

## EAST Search History

S72	8561	clip and snap\$4 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:37
S73	57	S67 and S72	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:37
S74	89803	clip and wire	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:37
S75	44	S67 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 07:37